Managed Switch

SMC6726AL2

TigerSwitch™ Standalone 24-port 10/100 + 2 1000BaseT/SFP Combo Ports

OVERVIEW

SMC Networks' TigerSwitch 10/100 SMC6726AL2 is a high performance managed Layer 2 auto-sensing 10/100BASE-T switch that provides an ideal solution for high density Enterprise applications. With (24) 10/100BASE-T Ethernet ports, and (2) combo 10/100/1000BASE-T/SFPs (mini-GBIC) slots, the SMC6726AL2 is designed to meet the needs of the most demanding departmental and enterprise connectivity applications requiring a high density, low profile solution.

The SMC6726AL2 supports full-duplex wire-speed forwarding, 8000 MAC addresses, Up to 255 VLANs, and the ability to prioritize traffic into (4) priority queues. The SMC6726AL2 can be used as a cost effective high density wiring closet solution or a high performance backbone aggregation device.

The TigerSwitch 10/100 (SMC6726AL2) looks to address today's diverse business and IT requirements through its robust support of standards-based network management protocols (CLI/SNMP/RMON/BOOTP/Telnet/Web) and port mirroring. By supporting standards-based network management protocols, the SMC6726AL2 can be easily integrated into most third-party network management products.

The SMC6726AL2 brings advanced Enterprise functions to a new level of affordability without compromising advanced features like: 802.3ad (link aggregation) 802.1x (authentication), QoS/CoS, Multicast, VLANs, Port Trunking and Network Management. These features facilitate the deployment of business critical applications across an Enterprise, including: VOIP, streaming media, and multicast content delivery (IP video, software deployment...etc).

FEATURES	BENEFITS
QoS	Support four levels of priority, with weighted fair queuing and L2/3/4 IP precedence--ensures smooth transmission of mission critical data
VLAN with GVRP	Support VLANs based on frame tags or ports, plus support for automatic GVRP LAN registration spanning tree per VLAN--provides maximum security and bandwidth efficiency
IGMP Snooping	Only allows IP Multicast traffic transmission to the registered members, resulting bandwidth savings--reduce IP multicast traffic and increase LAN performance
MultiLink Trunking with LACP	Can group links between switches to provide higher bandwidth of up to 800Mbps--increase B/W for dedicated link
Comprehensive security support	Currently supports RADIUS, IEEE802.1x, SSH, SSL,TACACS+, ACL

SMC Networks

TECHNICAL SPECIFICATIONS SMC6726AL2

PORTS
- 2 Gigabit Combo Ports (RJ-45/ SFP)
- 2 1000BASE-T (RJ-45)
- 24 10BASE-T/ 100BASE-TX (RJ-45)
- Auto-MDIX on RJ-45 ports
- 2 No. of slots for Mini-GBICs (SFP)

PERFORMANCE
- 8 MAC Address Table Size (K)
- 4 Packet Buffer Size (MB)
- 8.8 Switch Fabric (Gbps)
- 6.6 Throughput (Mpps)

LAYER 2 FEATURES
- Link Aggregation, 802.3ad
  - 4 groups 8 ports
- 255 802.1q VLANs
- VLAN Tagging, 802.1ac
- Private VLAN
- Protocol-based VLANs, 802.1v
- GVRP
- Spanning Tree, 802.1d
- Rapid Spanning Tree, 802.1w
- Multiple Spanning Tree, 802.1s
- Broadcast Storm Control
- Full Duplex Flow Control (802.3x)
- IGMP Snooping
- Jumbo Frames 9K
- HOL Blocking Prevention

QUALITY OF SERVICE
- Rate Limiting (Ingress/ Egress)
- WRR (Weighted Round Robin)
- Strict Priority
- 4 802.1p Priority queues
- IP precedence-based
- TCP/UDP Port-based

MANAGEMENT FEATURES
- Industry standard CLI
- Web Management
- Telnet
- Remote Ping
- Dual Firmware Images
- Configuration Download/ Upload
- SNMP (v1, v2c, v3)
- RMON (Groups, 1, 2, 3, 9)
- DHCP
- Event/ Error Log

SECURITY
- Static port security
- IEEE802.1x
- ACL (Access Control Lists)
- RADIUS Authentication
- TACACS+ Authentication
- HTTPS and SSL (Secured Web)
- SSH v1.5/ 2.0 (Secured Telnet)
- Username/Password Authentication

COMPLIANCES
- CE

EMISSIONS
- FCC Class A
  - Industry Canada Class A
  - EN55022 (CISPR 22) Class A
- VCCI Class A

SAFETY
- CSA/NRTL (CSA 22.2.950 & UL 1950)
- EN60950 (TÜV/GS)

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